

International Code Council (ICC) & Solar Rating and Certification Corporation (ICC-SRCC)



PUBLIC REVIEW #2 PACKAGE

**ICC 901/SRCC 100, SOLAR THERMAL
COLLECTOR STANDARD**

**ICC 900/SRCC 300, SOLAR THERMAL
SYSTEM STANDARD**

September 10, 2020

See Page 5 for Comment Submission Instructions. Comments due October 18, 2020.

DRAFT CHANGES TO PR1 DRAFTS OF ICC/SRCC SOLAR STANDARDS

The following draft changes to the Public Review 1 versions of the ICC 901/SRCC 100 and ICC 900/SRCC 300 standards (dated 6/26/2020 and 6/5/2020 respectively) were developed by the IS-STSC in response to public comments received on the documents. Public comments were accepted between 6/5/2020 and 8/3/2020 and were formally addressed by the IS-STSC during a meeting conducted on 9/2/2020. See the associated Meeting Minutes and Committee Action Report on the [project webpage](#).

Public Review #2 will take place between 9/10/2020 and 10/18/2020 on the draft changes shown below. See page 5 of this document for instructions on submitting comments for Public Review #2 and page 6 for the comment form.

PROPOSED CHANGES TO ICC 901/SRCC 100 PR1 DRAFT (6/26/2020 version)

303.2.1 Photovoltaic modules. Photovoltaic modules incorporated as part of photovoltaic thermal hybrid collectors or fully assembled PVT collector shall be listed and labeled to UL 1703 or UL 61730.

502.1 General. Solar thermal collectors shall include an indelible label containing information as established in this section at a minimum. Information shall be provided in a clearly readable size and format. Labels shall be permanently affixed to collectors in a location that will be visible after the collector is installed, except as described in 502.1.2.

502.1.2 Site-Built Collectors. Where collectors are assembled at the location of installation, a permanent label shall be provided ~~applied to the collector~~ in a location visible after the collector is installed.

503.1 General. ~~One or more~~ A manuals shall be provided with each *solar thermal collector* in hardcopy or digital copy via download link.

[END PUBLIC REVIEW #2 MATERIAL FOR ICC 901/SRCC 100]

PROPOSED CHANGES TO ICC 900/SRCC 300 PR1 DRAFT (6/5/2020 version)

**TABLE 301.8.2
POTABLE WATER PIPE**

MATERIAL	STANDARD
Brass pipe	ASTM B 43
Chlorinated polyvinyl chloride (CPVC) plastic	ASTM D 2846; ASTM F 441; ASTM F 442; CSA
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, WK,	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B
Cross-linked polyethylene (PEX) plastic	ASTM F 876; ASTM F 877; CSA B137.5
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX) pipe	ASTM F 1281; ASTM F 2262; CSA B137.10
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)	ASTM F 1986
Ductile iron pipe	AWWA C151/A21.51; AWWA C115/A21.15
Galvanized steel pipe	ASTM A 53
Polyethylene/aluminum/polyethylene (PE-	ASTM F 1282
Polyethylene of raised temperature (PE-RT)	ASTM F 2769
Polypropylene (PP) plastic pipe or tubing	ASTM F 2389; CSA B137.11
Polyvinyl chloride (PVC)	ASTM D1785; ASTM D2241
Stainless steel pipe (Type 304/304L)	ASTM A 312; ASTM A 778
Stainless steel pipe (Type 316/316L)	ASTM A 312; ASTM A 778

**TABLE 301.8.3
NON-POTABLE WATER PIPE**

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic	ASTM D 1527; ASTM D 2282
Brass pipe	ASTM B 43
Brass tubing	ASTM B 135
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tube (Type K, L or M)	ASTM B 75; ASTM B 88; ASTM B251
Chlorinated polyvinyl chloride (CPVC) plastic pipe	ASTM D 2846; ASTM F 441; ASTM F 442
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX) pressure	ASTM F 1281; CSA-B-137.10
Cross-linked polyethylene (PEX) tubing	ASTM F 876; ASTM F 877
Ductile iron pipe	AWWA C151/A21.51; AWWA C115/A21.15

Flexible stainless steel pipe	ASME A112.18.6/CSA B125.6; ISO 10380
Hoses containing rubber	ASTM D750; ASTM D471; ASTM D1149
Lead pipe	FS WW P-325B
Polybutylene (PB) plastic pipe and tubing	ASTM D 3309
Polyethylene/aluminum/polyethylene (PE-AL-PE) pressure pipe	ASTM F 1282; CSA B137.9
Polyethylene (PE) pipe, tubing and fittings (for ground source heat pump loop systems)	ASTM D 2513; ASTM D 3035; ASTM D 2683; ASTM F 1055; ASTM D 2837; ASTM D 3350; ASTM D 1693
Polypropylene (PP) plastic pipe	ASTM F 2389
Polyvinyl chloride (PVC) plastic pipe	ASTM D 1785; ASTM D 2241
Raised temperature polyethylene (PE-RT)	ASTM F 2623; ASTM F 2769
Steel pipe	ASTM A 53; ASTM A 106
Steel tubing	ASTM A 254
Stainless steel pipe (Type 304/304L)	ASTM A 312; ASTM A 778
Stainless steel pipe (Type 316/316L)	ASTM A 312; ASTM A 778

305.1.19 Lightning protection. ~~Lightning protection shall be provided for collectors in accordance with NFPA 780.~~

[END PUBLIC REVIEW #2 MATERIAL FOR ICC 900/SRCC 300]

PUBLIC REVIEW #2 INSTRUCTIONS

The proposed changes to the ICC/SRCC standards above have been developed by the ICC Solar Thermal Standard Consensus Committee (IS-STSC). The changes were made in response to comments submitted regarding the Public Release #1 documents during a comment period between June 5 and August 3, 2020. The committee adjudicated the comments during Meeting #11 conducted on 9/2/2020 and approved their release for public comment in Public Review #2.

The Second Public Review will begin on September 10, 2020 and will conclude on October 18, 2020. Any member of the public may submit comments during this time. Public comments must be submitted in accordance with the following requirements in order to be accepted and considered:

1. All public comments must be received by ICC midnight, Central Time on October 18, 2020 via e-mail (kaittaniemi@iccsafe.org), fax ((708) 799-0320) or by mail (International Code Council, 4051 W. Flossmoor Rd. Country Club Hills, IL 60478 USA).
2. All public comments must be submitted using the *ICC Standards – Public Comment Form*. This form can be downloaded from the ICC website at <https://www.iccsafe.org/standards-public-forms/> and is also attached at the end of this document.
3. Public comment forms must be completed in its entirety and be signed. Electronic signatures are acceptable.
4. **COMMENTS ARE ONLY PERMITTED REGARDING SECTIONS OF THE STANDARDS THAT HAVE UNDERGONE CHANGES SINCE THE FIRST PUBLIC REVIEW, LISTED ABOVE.**
Underlining is used to indicate text that has been added and text to be removed is indicated with ~~strikeout formatting~~. Comments relating to sections of the standard that have not undergone changes in this draft will not be accepted. Comments must indicate the specific section of this draft document to which they apply.
5. Comments must indicate the specific action requested. The options are: REVISE (with specific text to be changed), NEW (with specific text to be added), DELETE & SUBSTITUTE (with the specific text to be removed and replacement text) and DELETE (with the specific text to be removed). If the text to be changed, added or deleted is not provided, the comment will not be accepted.
6. Supporting information must be provided to substantiate the comment and specific action requested. If a reason statement is not provided, the comment will not be accepted.

All accepted comments will be formally considered individually by the IS-STSC after the comment period in accordance with ICC's standard development procedures. Meetings of the IS-STSC are open to the public. For more information on the IS-STSC, see the committee webpage at <https://www.iccsafe.org/products-and-services/standards-development/is-stsc/>

All standard revision processes are conducted in compliance with ICC's ANSI-approved standard development procedures. [Click here](#) for information on ICC's ANSI-approved standards development process. Any questions regarding ICC's Standard Development Procedures, this form, or the Public Comment Process should be directed to Karl Aittaniemi (kaittaniemi@iccsafe.org or (888) 422-7233 x 4205)



ICC STANDARDS - PUBLIC COMMENT FORM

PLEASE SEE INSTRUCTIONS (SUBMITTAL RULES OF PROCEDURES). ALL SUBMITTALS MUST BE IN COMPLIANCE WITH THESE PROCEDURES.

CLOSING DATE: All Comments Must Be Received by the Announced Closing Date

1) Indicate the format in which you would like to receive your Public Comments Report (PCR):

CD
 Download

2) **PLEASE TYPE OR PRINT CLEARLY: FORMS WILL BE RETURNED if they contain unreadable information.**

Name:					Date:		
Jurisdiction/Company:							
Submitted on Behalf of:							
Address:							
City:		State:		Zip +4:			
Phone:		Ext:		Fax:			
e-mail:							

Signature on File

3) ***Signature:** _____

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4) Indicate appropriate ICC Standard associated with this Public Proposal – **Please use** IS-STSC _____
Acronym:
 (See bottom of this form or the instructions for list of Names and Acronyms for the ICC Standards)

5) Indicate the Standard Proposal Number that is being addressed by this Public Comment (if applicable): _____

6) Revision to: Section _____ Table _____ Figure _____

7) **COMMENT** Revise as follows (check BOX and state proposed change):

Revise as follows: Add new text as follows Delete and substitute as follows: Delete without Substitution:

Show the proposed NEW or REVISED or DELETED TEXT in legislative format: ~~Line through text to be deleted.~~ Underline text to be added.

COMMENT Continued (Attach additional sheets as necessary)

8) **SUPPORTING INFORMATION** (State purpose and reason, and provide substantiation to support proposed change):

SUPPORTING INFORMATION Continued (Attach additional sheets as necessary)

PLEASE USE SEPARATE FORM FOR EACH COMMENT

SUBMITTAL AS A DOCUMENT ATTACHMENT TO AN E-MAIL IS PREFERRED

e-mail: kaittaniemi@iccsafe.org Phone: (888) 422-7233 x4205 Fax: (708) 799-0320

If E-MAIL is not available, mail form and disk to: International Code Council, 4051 W. Flossmoor Rd. Country Club Hills, IL 60478